

DERWENT-ACC-NO: 1996-045316  
DERWENT-WEEK: 199605  
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TITLE: Inhibitor of degradation of muco-polysaccharide,  
active oxygen  
inactivator and cosmetics - comprise super-oxide  
dismutase-like active oxygen  
removers obtd. from extract of flower petals

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PRIORITY-DATA: 1994JP-0131057 (May 20, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
JP 07309770 A	November 28, 1995	N/A
011	A61K 035/78	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
JP07309770A	N/A	1994JP-0131057
May 20, 1994		

INT-CL (IPC): A61K007/00; A61K007/06 ; A61K007/48 ;  
A61K035/78

ABSTRACTED-PUB-NO: JP07309770A

BASIC-ABSTRACT: Superoxide dismutase (SOD)-like active  
oxygen removers contg.  
at least one of extract of petals of flowers of 24 kinds of  
plants, and  
inhibitors of degradation of mucopolysaccharide contg. at  
least one of extract  
of petals of flowers of 42 kinds of plants including the  
preceding 24 kinds of  
plants. Cosmetics contg. at least one of the extracts of  
SOD-like active  
oxygen removers and inhibitors of degradation of  
mucopolysaccharide.

Petals of flowers of 42 plants (e.g. rose, peach, Japanese  
apricot, Thunberg  
spirea, sasanqua camellia, common camellia, torch azalea,

kobus magnolia, yulan  
magnolia, Chinese paeony, carnation, snapdragon, daisy,  
dandelion, Japanese  
wisteria, Chinese cabbage, common stock, hollyhock, shrub  
althea, cotton-rose  
hibiscus, common hydrangea, common crape myrtle and  
sweet-scented oleander) are  
extracted with water and/or lower alcohols (e.g. MeOH, EtOH  
and PrOH) and the  
extract is added in various bases (e.g. soln., emulsion,  
ointment, oil, wax,  
sol, gel and powder) including cosmetics and external  
preps..

USE/ADVANTAGE - Inhibitors of degradation of  
mucopolysaccharide, active oxygen  
removers and cosmetics. Prevention of ageing due to  
degradation of  
mucopolysaccharides with active oxygen and UV ray.

In an example, extracts of petals of flowers were tested  
for the inhibition of  
degradation of hyaluronic acid in ascorbic acid-Fe and  
H2O2-Fe systems at 10  
and 0.1 mg/ml, respectively. Extract of pink rose showed  
inhibitory rate of  
86.1 and 37.2%, respectively. Crape myrtle showed corresp.  
rate of 89.6 and  
38.1 %, respectively.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS:

INHIBIT DEGRADE MUCO POLYSACCHARIDE ACTIVE OXYGEN  
INACTIVATE COSMETIC COMPRISE  
SUPER OXIDE DISMUTASE ACTIVE OXYGEN REMOVE OBTAIN EXTRACT  
FLOWER PETAL

DERWENT-CLASS: B04 D21

CPI-CODES: B04-A08C2; B04-A10; B14-D09; B14-R01; B14-S08;  
D08-B;

CHEMICAL-CODES:

Chemical Indexing M1 \*01\*

Fragmentation Code

M423 M903 Q254 Q262 Q624 V400 V404 V802 V811

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1996-015009